

Name: _____

Date: _____

Algebra I Quiz on 2.5, 2.6, and 2.7

Find the product.

1. $(-2)(3)$

2. $(6)(-6)(2)$

3. $-7 \bullet -1$

Simplify the variable expression.

4. $(5)(-w)$

5. $8 \bullet -a \bullet -a$

Evaluate the expression.

6. $2p^2 - 3p$ when $p = 1$

7. $-4m^2 + 5m$ when $m = -2$

8. To promote its grand opening, a record store advertises compact discs for \$10. The store loses \$2.50 on each compact disc it sells. How much money will the store lose on its grand opening sale if it sells 256 discs?

Use the distributive property to rewrite the expression without parenthesis.

9. $h(-3 - h)$

10. $(-5q - 7)4$

11. $(-p + 2)(-5)$

Simplify the expression by combining like terms.

12. $20x + (-7x)$

13. $3 + t^3 - 7$

Apply the distributive property. Then simplify by combining like terms.

14. $(2w + 4)(-3) + w$

15. $-9t(t - 4) - 12$

16. $15d^2 + (2 - d)4d$

Find the quotient.

17. $36 \div (-3)$

18. $-28 \div (-7)$

19. $-25 \div 5$

Simplify the expression.

20. $\frac{-35 + 14y}{7}$

21. $\frac{18a + 30}{-3}$

Evaluate the expression for the given value(s) of the variable(s).

22. $\frac{5a + 2b}{a}$ when $a = -1, b = -2$

Use Scalar Multiplication to simplify.

23. $-8 \begin{bmatrix} -4 & -7 \\ 3 & 3 \end{bmatrix}$

24. $-5x \begin{bmatrix} 2 & x & -4 \\ 0 & -2 & 1 \\ -x & -1 & -8 \end{bmatrix}$